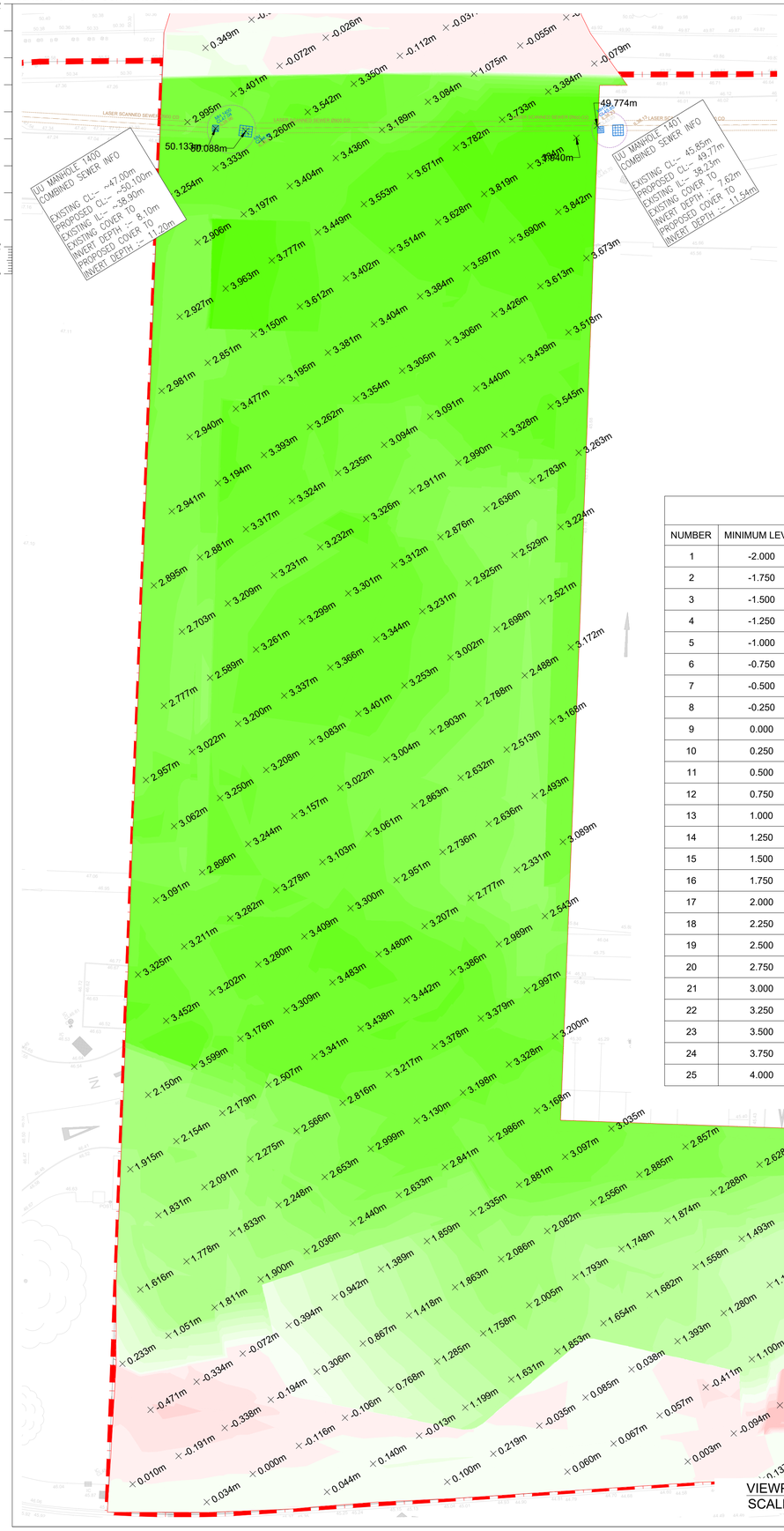
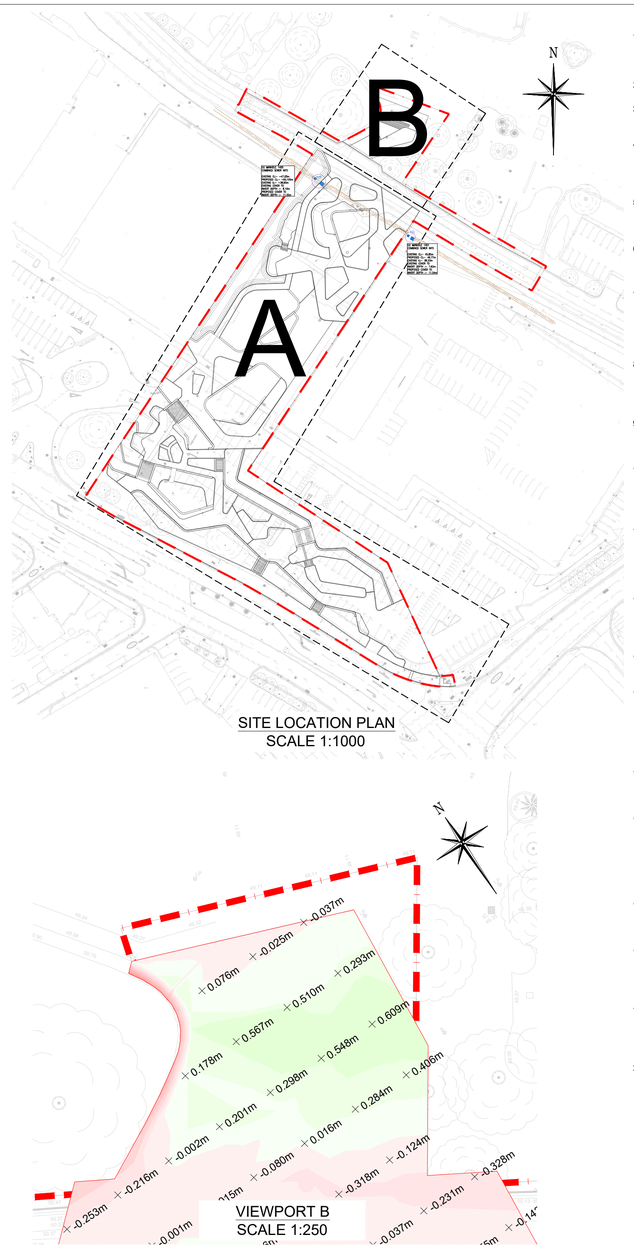
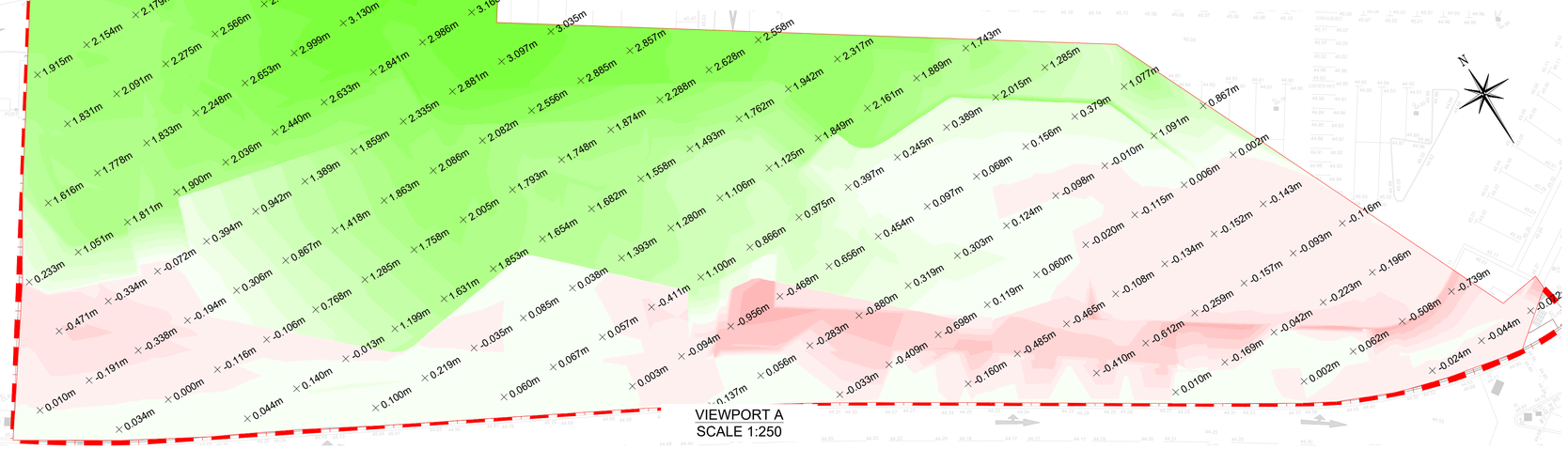


SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	-2.000	-1.750		0.000m²	0.000m³
2	-1.750	-1.500		0.083m²	0.005m³
3	-1.500	-1.250		0.469m²	0.070m³
4	-1.250	-1.000		17.868m²	1.168m³
5	-1.000	-0.750		60.992m²	11.272m³
6	-0.750	-0.500		115.516m²	33.407m³
7	-0.500	-0.250		259.480m²	75.398m³
8	-0.250	0.000		1095.443m²	221.234m³
9	0.000	0.250		929.661m²	1612.404m³
10	0.250	0.500		301.249m²	1494.818m³
11	0.500	0.750		203.310m²	1428.940m³
12	0.750	1.000		136.211m²	1391.412m³
13	1.000	1.250		171.032m²	1351.643m³
14	1.250	1.500		131.669m²	1314.128m³
15	1.500	1.750		220.001m²	1274.304m³
16	1.750	2.000		289.940m²	1204.085m³
17	2.000	2.250		288.863m²	1133.407m³
18	2.250	2.500		267.066m²	1065.442m³
19	2.500	2.750		476.850m²	970.451m³
20	2.750	3.000		693.041m²	833.082m³
21	3.000	3.250		1104.215m²	627.617m³
22	3.250	3.500		1309.911m²	283.922m³
23	3.500	3.750		336.176m²	84.247m³
24	3.750	4.000		198.566m²	20.519m³
25	4.000	4.250		7.094m²	0.148m³





EARTHWORKS NOTES

1. THE EARTHWORKS QUANTITIES HAVE BEEN PROVIDED BY ATKINSRÉALIS FOR GUIDANCE ONLY AND THE CONTRACTOR IS TO SATISFY THEMSELVES WITH ALL CUT/FILL FIGURES ASSOCIATED WITH THE SCHEME.
2. NO BULKING FACTORS HAVE BEEN TAKEN INTO ACCOUNT IN CALCULATING THE ESTIMATED EARTHWORKS QUANTITIES.
3. IT IS ASSUMED THAT ALL CUT MATERIAL IS SUITABLE FOR RE-USE - SUBJECT TO TESTING AND SAMPLING OF MATERIAL DURING CONSTRUCTION STAGE
4. THE EARTHWORKS CONTRACTOR IS REQUIRED TO STRIP THE SITE OF ALL TOPSOIL TO REVEAL A COMPETENT NATURAL STRATA. DURING THE TOPSOIL STRIP, THE FORMATION SHOULD BE INSPECTED FOR THE PRESENCE OF ANY SOFT OR ANOMALOUS GROUND CONDITIONS.
5. SOFT SPOTS OR ANY OTHER MATERIAL DEEMED TO BE UNSUITABLE FOR FORMATION SHALL BE REMOVED AND REPLACED WITH COMPACTED TYPE 1 GRANULAR MATERIAL OR AS DIRECTED BY THE ENGINEER.
6. THE BASE OF ANY EXCAVATION SHOULD BE ASSESSED AS COMPETENT BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO ANY UPFILLING OR PLACEMENT OF MATERIALS.
7. STOCKPILED MATERIALS OFTEN DETERIORATE DUE TO WATER INFILTRATION AND THEY MAY BECOME UNSUITABLE FOR INCORPORATION IN THE WORKS; FURTHER TESTING AND RE-ASSESSMENT SHOULD BE MADE PRIOR TO THE FINALISATION AND IMPLEMENTATION OF THE EARTHWORKS DESIGN.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ANY UNACCEPTABLE EARTHWORKS MATERIALS ENCOUNTERED DURING OR GENERATED BY THE WORKS IN LICENSED TIPS OFF SITE UNLESS OTHERWISE AGREED WITH ATKINSRÉALIS / MANCHESTER CITY COUNCIL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL SAMPLING, TESTING AND REPORTING IN ORDER TO COMPLY WITH THE REQUIREMENTS OF THE PROJECT-SPECIFIC EARTHWORKS SPECIFICATION.
10. EARTHWORKS TESTING AND VALIDATION IS EXCLUDED FROM THE ATKINSRÉALIS SCOPE OF SERVICES. SHOULD THE CONTRACTOR WISH TO EMPLOY ATKINSRÉALIS TO UNDERTAKE SUCH SERVICES ADDITIONAL FEES WILL BE APPLICABLE.
11. THE EARTHWORKS CONTRACTOR SHALL ALLOW FOR CARRYING OUT ANY INVESTIGATION OR TESTING THAT HE CONSIDERS NECESSARY TO ENSURE THE SUITABILITY OF THE MATERIAL TO BE USED WITHIN THE WORKS THIS INCLUDES ALL CUT MATERIAL WHICH FOR THIS ANALYSIS HAS BEEN ASSUMED SUITABLE FOR RE-USE.
12. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE PROJECT-SPECIFIC EARTHWORKS SPECIFICATION, AND THE 'SPECIFICATION FOR HIGHWAY WORKS'; VOLUME 1 OF THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS PUBLISHED BY HMSO.
13. ALL WORK SHALL FOLLOW THE GUIDELINES AND RECOMMENDATION CONTAINED WITHIN BS6031: 2009, CODE OF PRACTICE FOR EARTHWORKS.
14. THE GENERAL FILLING WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH CLAUSE 612 OF THE SHW TO AN END PRODUCT COMPACTION WITH LAYERS NOT EXCEEDING 250MM THICKNESS. THE BASE OF ANY EXCAVATION SHOULD BE ASSESSED AS COMPETENT BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO ANY UPFILLING OR PLACEMENT OF MATERIALS.
15. THE EARTHWORKS CONTRACTOR SHALL EXECUTE THE WORKS WITH CARE SO AS TO AVOID DAMAGE TO EXISTING STRUCTURES AND DRAINS OR OTHER SERVICES THAT ARE TO BE RETAINED.
16. ALL FENCES, TREES, PATHS, SHRUBS, GRASSED AREAS AND OTHER SURFACES REQUIRED TO BE RETAINED SHALL BE PROTECTED FROM SPILLAGES AND DAMAGE CAUSED BY SITE OPERATIONS AND UPON COMPLETION OF THE WORKS THEY SHALL BE HANDED OVER IN AN UNDAMAGED AND PROPER STATE TO THE SATISFACTION OF THE CLIENT.
17. THE EARTHWORKS CONTRACTOR SHALL NOT RAISE OR LOWER THE GROUND LEVEL BENEATH THE SPREAD OF THE BRANCHES OF ANY TREE TO BE RETAINED WITHOUT THE APPROVAL OF THE CLIENT.
18. ALL EXISTING TREES THAT ARE TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION WORKS IN ACCORDANCE WITH BS5837:2012: 'TREES IN RELATION TO DESIGN, DEMOLITION AND CONSTRUCTION RECOMMENDATIONS'.
19. ALL EXCAVATION WORKS WITHIN THE VICINITY OF TREE ROOT AREAS TO BE UNDERTAKEN USING NO-DIG MEANS OF CONSTRUCTION (BY HAND) TO MINIMIZE DAMAGE TO THE TREE'S VITAL ROOT SYSTEM AND TO AVOID COMPACTION OF THE SOIL.
20. ON COMPLETION, THE CONTRACTOR SHALL CONFIRM TO ATKINSRÉALIS THE ACTUAL VOLUME OF EARTHWORKS MATERIALS LEFT IN ANY TEMPORARY STOCKPILES REQUIRED BY THE CONTRACT.

NOTES:

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT AND ENGINEER DRAWINGS & SPECIFICATION NOTES.

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. ATKINSRÉALIS DRAWINGS ARE FOR CIVIL INFORMATION. FOR ALL SETTING OUT DIMENSIONS AND DETAILS REFER TO ARCHITECTS DRAWINGS.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:
CONSTRUCTION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:
MAINTENANCE AND CLEANING

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:
DECOMMISSIONING AND DEMOLITION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.
5. The following topographical survey has been used for the levels design and is shown in this drawing: -- MGS46696-TP (October 2022).
6. Utilities shown based on the following Murphy Geospatial drawing: -- MGS46696-UT-RevE, dated 28.09.23 and the topographical survey referenced in note #6.
7. Refer to AtkinsRealis Typical External Construction Details for Make-up Depths and Planit Hardworks Drawings for types of hardstanded areas.

Rev	Description	By	Chk'd	App'd	Date
P02	UPDATED WITH SPOT LEVELS ON GRID	CON	TT	CC	30/01/2025
P01	STAGE 3 ISSUE	CON	TT	CC	29/07/2024

Drawing Status: PLANNING
Suitability: S4

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Client: MANCHESTER CITY COUNCIL

Project Title: CENTRAL RETAIL PARK

Drawing Title: PROPOSED CUT & FILL LAYOUT

Scale	Designed	Drawn	Checked	Authorised
AS SHOWN	CON	CON	TT	CC
Original Size	**Date**	**Date**	**Date**	**Date**
A1	18/01/2024	31/01/2024	01/02/2024	01/02/2024

Drawing Number: 5224911-ATK-XX-DR-CE-411002
Revision: P02

ATKINSRÉALIS PROJECT NUMBER: 5211989